Geometry honors problem sets

transformations

*Complete the following. Assume points D, C, U, W, X, and Y are obtained by reflection in line k or j.*

1.  2.  3.  4. 

5. Draw a triangle and a line *m* such that  maps the triangle to itself. What kind of triangle did you use?

6. Draw a pentagon and a line *n* such that  maps the pentagon to itself.

*In each exercise . Find an equation of line k.*

7. A(5,0) A’(9,0) 8. A(0,2) A’(4,6) 10. A(-1,2) A’(4,5)